

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-230123
(43)Date of publication of application : 22.08.2000

(51)Int.Cl. C08L101/00
C08K 9/04
C08K 9/06
C08L 67/02
C08L 69/00

(21)Application number : 11-031467 (71)Applicant : TOHOKU MUNEKATA CO LTD
(22)Date of filing : 09.02.1999 (72)Inventor : SUGANO MASANORI
KUSAKAISHI SUSUMU

(54) RESIN ADDITIVE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a resin additive capable of controlling reduction in molecular weight in heating and melting a resin and preventing decrease in IZOD impact strength by subjecting an inorganic particle to a specific surface treatment.

SOLUTION: The surface of (A) an inorganic particle (preferably silica, alumina, their salts or glass) is treated with (B) catechin, then with (C) a saccharide (preferably sugar, a polysaccharide or their mixture) and further with (D) a coupling agent (preferably a silane-based coupling agent).

Preferably, the component A subjected to the surface treatment with the component B is subjected to the surface treatment with the component C in an amount corresponding to 0.4-4.2 wt.% of the component A and the treated particle is subjected to surface treatment with the component D in an amount corresponding to 0.4-4.2 wt.% of the component A. Preferably, a resin to which the additive is added is a thermoplastic polyester-based resin or a thermoplastic resin containing the polyester-based resin.

LEGAL STATUS

[Date of request for examination] 09.02.1999
[Date of sending the examiner's decision of rejection]
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number] 3046964
[Date of registration] 17.03.2000
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right] 17.03.2004